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TO: EXAMINER Mark Osborne Budd
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ART UNIT 2834
SERIAL NO. 09/652,934

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Atty. docket PHD 99112

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TECHNICAL CENTER 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Atty. docket
FRANCISCO MORALLES SERRANO ET AL PHD 99112
Serial No. 09/652,934 Group Art Unit: 2834
Filed: Aug. 31, 2000 Examiner: Mark Osborne Budd
Title: PIEZOELECTRIC DRIVE DEVICE
Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

AMENDMENT

Sir:

In response to the Office Action dated Dec. 17, 2002 please amend the above-identified application as follows:

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IN THE CLAIMS

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Rewrite claims 1, 2 and 4-8; and add claims 11-20 as follows:

TECHNOLOGY CENTER 2200

1.(amended) A piezoelectric drive device comprising a bimodal piezoelectric resonator (1) and means for supplying control signals (S),

wherein said resonator (1) comprises:

at least a first control electrode (2) for triggering the resonator (1) in a first drive direction, and

at least an other control electrode (4) for triggering the resonator in a second drive direction, and

said means for supplying control signals comprises a trigger circuit (6) for supplying control signals (S) to the first and the other control electrode,

characterized in that:

the device further comprises a regulating circuit (7) for regulating the control signals (S), first means for supplying a feedback signal (k) from the other control electrode (4) to the

Id99112_am3 Mar 14, 2003

1